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NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5 AUG 24 CA/CAplus enhanced with legal status information for U.S. patents
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10 NOV 23 Addition of SCAN format to selected STN databases
NEWS 11 NOV 23 Annual Reload of IFI Databases
NEWS 12 DEC 01 FRFULL Content and Search Enhancements
NEWS 13 DEC 01 DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS 14 DEC 02 Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS 15 DEC 02 PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS 16 DEC 02 USGENE: Enhanced coverage of bibliographic and sequence information
NEWS 17 DEC 21 New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAplus
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NEWS 19 JAN 25 Annual Reload of MEDLINE database
NEWS 20 FEB 16 STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS 21 FEB 16 Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS 22 FEB 16 New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 23 FEB 16 INPADOCDB and INPAFAMDB Enriched with New Content and Features

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NEWS 24 FEB 16 INSPEC Adding Its Own IPC codes and Author's E-mail Addresses

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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=> FILE REG
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
TOTAL
SESSION
0.22
0.22

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DICTIONARY FILE UPDATES: 26 MAR 2010 HIGHEST RN 1214987-89-9

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TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

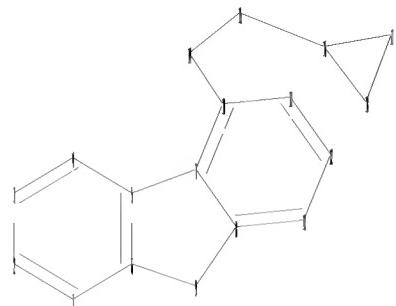
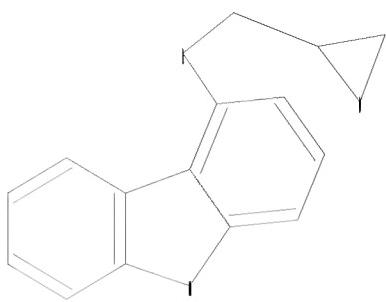
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<http://www.cas.org/support/stn/gen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10589998.str

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chain nodes :

14 15

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 16 17 18

chain bonds :

10-14 14-15 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 12-13

16-17 16-18 17-18

exact/norm bonds :

5-7 6-9 8-9 10-14 14-15

exact bonds :

15-16 16-17 16-18 17-18

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-10 8-13 10-11 11-12 12-13

isolated ring systems :

containing 16 :

Match level :

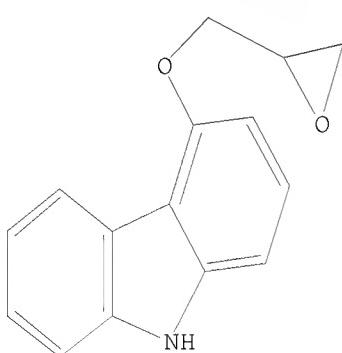
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:Atom 17:Atom 18:Atom

L1 STRUCTURE UPLOADED

=> D

L1 HAS NO ANSWERS

L1 STR



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Structure attributes must be viewed using STN Express query preparation.

=> S L1

SAMPLE SEARCH INITIATED 19:56:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 44 TO 476
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> S L1 FULL
FULL SEARCH INITIATED 19:57:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 263 TO ITERATE

100.0% PROCESSED 263 ITERATIONS 14 ANSWERS
SEARCH TIME: 00.00.01

L3 14 SEA SSS FUL L1

=> FILE CAPLUS
COST IN U.S. DOLLARS SINCE FILE TOTAL
SESSION
FULL ESTIMATED COST ENTRY 191.54 191.76

FILE 'CAPLUS' ENTERED AT 19:57:08 ON 27 MAR 2010
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FILE COVERS 1907 - 27 Mar 2010 VOL 152 ISS 14
FILE LAST UPDATED: 26 Mar 2010 (20100326/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2010.

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<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L3

L4 66 L3

=> S L4 AND CARVEDILOL

2397 CARVEDILOL

1 CARVEDILOLS

2397 CARVEDILOL

(CARVEDILOL OR CARVEDILOLS)

L5 27 L4 AND CARVEDILOL

=> S L5 AND SALT

918936 SALT

694457 SALTS

1354343 SALT

(SALT OR SALTS)

L6 10 L5 AND SALT

=> S L6 AND (ORGANIC(L)ACID)

472416 ORGANIC

4278 ORGANICS

475185 ORGANIC

(ORGANIC OR ORGANICS)

1193869 ORG

18538 ORGS

1200789 ORG

(ORG OR ORGS)

1336850 ORGANIC

(ORGANIC OR ORG)

5023368 ACID

1745205 ACIDS

5565758 ACID

(ACID OR ACIDS)

305345 ORGANIC(L)ACID

L7 2 L6 AND (ORGANIC(L)ACID)

=> D IBIB ABS HITSTR TOT

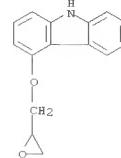
10589998mm/dd/yyyy>

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:962205 CAPLUS
 DOCUMENT NUMBER: 143:266815
 TITLE: Process for the manufacture of racemic carvedilol from 4-(oxiran-2-ylmethoxy)-9H-carbazole and 2-(2-methoxyphenoxy)ethylamine
 INVENTOR(S): Shah, Dhiraj R.; Naik, Ashish P.; Purushit, Parva Y.; Sharma, Rajivkumar; Agarwal, Virendra Kumar
 PATENT ASSIGNEE(S): Cadila Healthcare Limited, India
 SOURCE: PCT Int. Appl., 14 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|------------|
| WO 2005080329 | A3 | 20050901 | WO 2005-IN56 | 20050222 |
| WO 2005080329 | A3 | 20060920 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, T2, UA, UG, US, U2, VC, VN, YU, ZA, ZM, ZW,
SM | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, C2, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| IN 2004MU00219 | A | 20060120 | IN 2004-MU219 | 20040223 |
| CA 2560353 | A1 | 20050901 | CA 2005-2560353 | 20050222 |
| EP 1723107 | A2 | 20061122 | EP 2005-747343 | 20050222 |
| R: AT, BE, BG, CH, CY, C2, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU | | | | |
| US 20080214833 | A1 | 20080904 | US 2007-589998 | 20071116 |
| PRIORITY APFLN. INFO.: | | | IN 2004-MU219 | A 20040223 |
| | | | WO 2005-IN56 | W 20050222 |

OTHER SOURCE(S): CASREACT 143:266815; MARPAT 143:266815
 AB Carvedilol of high HPLC purity (>99.5 %) is prepared by the ring-opening addition reaction of 4-(oxiran-2-ylmethoxy)-9H-carbazole with 2-(2-methoxyphenoxy)ethylamine followed by salification of the impure carvedilol with an organic acid (e.g., salicylic acid) and neutralization of the carvedilol salt (e.g., carvedilol salicylate) with a base to give pure carvedilol.
 IT 51997-51-4
 RL: RCT (Reactant); RACT (Reactant or reagent)

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 (process for the manuf. of racemic carvedilol from 4-(oxiran-2-ylmethoxy)-9H-carbazole and 2-(2-methoxyphenoxy)ethylamine)
 RN 51997-51-4 CAPLUS
 CN 9H-Carbazole, 4-(2-oxiranylmethoxy)- (CA INDEX NAME)



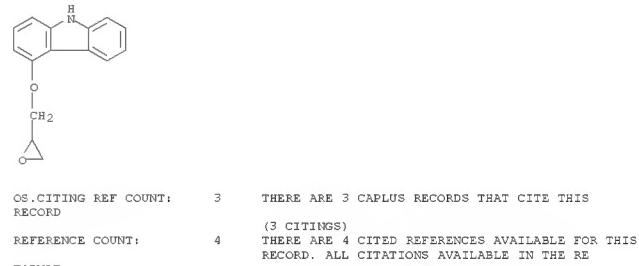
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2004:927171 CAPLUS
 DOCUMENT NUMBER: 141:395415
 TITLE: Process for the preparation of crystalline carvedilol form-II
 INVENTOR(S): Ramanjaneyulu, Gorantla Seeta; Kumar, Indukuri Venkata
 SOURCE: Sunil; Rao, Ketavarapu Narasimha; Kishore, Jammula Vera Venkata Krishna
 Matrix Laboratories Ltd., India
 PCT Intl. Appl., 18 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|-------------|
| WO 2004094378 | A1 | 20041104 | WO 2004-IN104 | 20040416 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, T2, UA, UG, US, U2, VC, VN, YU, ZA, ZM, ZW,
SM | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, C2, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| IN 2003MA00328 | A | 20070518 | IN 2003-MA328 | 20030421 |
| EP 1615888 | A1 | 20060118 | EP 2004-727971 | 20040416 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, | | | | |
| HR | | | | |
| US 20070055069 | A1 | 20070308 | US 2005-552843 | 20051012 |
| US 7468442 | B2 | 20081223 | | |
| US 20090286991 | A1 | 20091119 | US 2008-341409 | 20081222 |
| PRIORITY APFLN. INFO.: | | | IN 2003-MA328 | A 20030421 |
| | | | WO 2004-IN104 | W 20040416 |
| | | | US 2005-552843 | A1 20051012 |

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OTHER SOURCE(S): CASREACT 141:395415
 AB The present invention provides a cost-effective, industrially feasible process for the manufacture of crystalline carvedilol form-II using novel carvedilol salts comprising a step of reacting 4-(2,3-epoxypropoxy)carbazole with 2-(2-methoxyphenoxy)ethylamine followed by acidification with mineral acid in presence of an org . solvent to yield acid addition salts, (e.g. carvedilol oxalate), treatment of the said salts with base(s) in presence of organic solvent(s), water, and isolation from the organic solvent(s) followed by crystallization from Et acetate.
 IT 51997-51-4P, 4-(2,3-Epoxypropoxy)carbazole
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. of cryst. carvedilol form-II by reaction of 4-(2,3-epoxypropoxy)carbazole with 2-(2-methoxyphenoxy)ethylamine)
 RN 51997-51-4 CAPLUS
 CN 9H-Carbazole, 4-(2-oxiranylmethoxy)- (CA INDEX NAME)



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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

24.86

216.62

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

ENTRY

TOTAL

SESSION

CA SUBSCRIBER PRICE

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-1.70

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